Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Virginia Metalcrafters, Inc.
Facility Name:	Virginia Metalcrafters, Inc.
Facility Location:	1010 East Main Street Waynesboro, Virginia
Registration Number:	80518
Permit Number:	VRO80518

March 13, 2005
Effective Date

March 12, 2010
Expiration Date

Director, Department of Environmental Quality

March 10, 2005
Signature Date

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I. Facility Information

Permittee
Skyline Acquisition Corporation
1010 East Main Street
Waynesboro, Virginia 22980

Responsible Official
Michael J. Innes
President

Facility
Virginia Metalcrafters, Inc.
1010 East Main Street
Waynesboro, Virginia 22980

Contact Person
Michael J. Innes
President
(540) 949-9404

Plant Identification Number: 51-820-0066

Facility Description:

SIC 3366 - Copper Foundries
SIC 3499 - Fabricated Metal Products, Not Elsewhere Classified
SIC 3321 - Gray and Ductile Iron Foundries
SIC 3365 - Aluminum Foundries

Virginia Metalcrafters, Inc. is involved in the manufacturing of metal castings and wood gifts. Brass, bronze, aluminum, and iron castings are made by melting ingots in electric induction furnaces, then pouring the molten metal into sand molds. The castings are shaken from the molds and the sand is recycled. The castings are then cleaned by shotblasting and/or grinding and polishing, followed in some cases by vapor degreasing, welding or soldering, acid pickling, and painting in a spray booth.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Iron Foundry							
33A	V33	Sand Processing (Constructed before 1972)	2400 lbs/hr	Wheelabrator 126-D Fabric Filter	BH33	PM PM-10	-
33B	V33	Furnaces (2) (Constructed before 1972)	1000 lbs/hr	Wheelabrator 126-D Fabric Filter	BH33	PM PM-10	-
33C	V33	Tumble Shot Blast (Constructed before 1972)	3200 lbs/hr	Wheelabrator 126-D Fabric Filter	BH33	PM PM-10	-
33D	V33	Degate, Grind, Deburr (Constructed before 1972)	3200 lbs/hr	Wheelabrator 126-D Fabric Filter	BH33	PM PM-10	-
24	V24	Rotary Shot Blast (Constructed before 1972)	3200 lbs/hr	Pangborn 220 CK-1 Fabric Filter	BH24	PM PM-10	-
31	Vented inside	Metal Casting (Constructed before 1972)	1000 lbs/hr	-	-	-	-
32	Vented inside	Mold Shakeout Operations (Constructed before 1972)	1000 lbs/hr	-	-	-	-
Brass Foundry							
44A	V44	Furnaces (2) (Constructed before 1972)	1600 lbs/hr	Wheelabrator 65KD Fabric Filter	BH44	PM PM-10	-
42	V42	Shot Blast (Constructed before 1972)	3200 lbs/hr	Pangborn 600 CN Fabric Filter	BH42	PM PM-10	-
44B	V44	Degate, Grind, Deburr (Constructed before 1972)	3200 lbs/hr	Wheelabrator 65KD Fabric Filter	BH44	PM PM-10	-
19	Vented inside	Metal Casting (Constructed before 1972)	1600 lbs/hr	-	-	-	-
20	Vented inside	Mold Shakeout Operations (Constructed before 1972)	1600 lbs/hr	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
79	V61, V62, V63, V79	Polishing, Buffing, Coloring (Constructed before 1972)	4000 lbs/hr	13 Cyclones	DC79	PM PM-10	-
Degreasing							
78	Vented inside	Vapor Degreaser (Constructed before 1972)	1300 lb metal/hr	Primary Condenser Freeboard Refrigeration Device	-	VOC TCE	-
Surface Coating							
64	V64	Black Paint Spray Booth (Modified in 1994)	12 gallons/hr	Research Products Corp. Paint Arrestor Filter	F64	PM PM-10	1/11/05
54	V54	Verdi Paint Spray Booth (Constructed before 1972)	10 gallons/hr	Binks AF Filter Paint Arrestor Filter	F54	PM PM-10	-
55	V55	Brass Clear Lacquer Spray Booth (Constructed before 1972)	4 gallons/hr	Research Products Corp. Paint Arrestor Filter	F55	PM PM-10	-
72	V72	Wood Lacquer Spray Booth (Constructed before 1972)	3 gallons/hr	Binks AF Filter Paint Arrestor Filter	F72	PM PM-10	-
73	V73	Wood Lacquer Spray Booth (Constructed before 1972)	3 gallons/hr	Research Products Corp. Paint Arrestor Filter	F73	PM PM-10	-

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Iron Foundry Requirements – Units # 33A, 33B, 33C, 33D, 24, 31, and 32

A. Limitations

1. Particulate emissions from the following operations shall be controlled by fabric filters:

Emission Unit Description	Emission Unit ID
Sand Processing	33A
Furnaces (2)	33B
Tumble Shot Blast	33C
Degate, Grind, Deburr	33D
Rotary Shot Blast	24

Each fabric filter shall be installed in an accessible location and maintained by the permittee such that it is in proper working order.
(9 VAC 5-80-110)

2. Visible emissions from each iron foundry stack (Stack # V33 and V24) shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed sixty percent (60%) opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

3. Particulate emissions from the two furnaces (Unit # 33B) shall not exceed 3.05 lbs/hr. This condition applies during the meltdown time but shall not apply during the time of preheat or preparing for shutdown. The exemption for preheating and shutdown shall be limited to two 20-minute periods in a given eight-hour period for each furnace unit.
(9 VAC 5-40-2410 and 9 VAC 5-80-110)

4. Particulate emissions from metal casting (Unit # 31) shall not exceed 3.05 lbs/hr.
(9 VAC 5-40-2410 and 9 VAC 5-80-110)

5. Particulate emissions from mold shakeout operations (Unit # 32) shall not exceed 3.05 lbs/hr.
(9 VAC 5-40-2410 and 9 VAC 5-80-110)

6. Particulate emissions from the sand processing operations (Unit # 33A) shall not exceed the limit calculated using the following formula:

$$E = 4.10 \times P^{0.67}$$

..... Equation 1

Where:

E = emission rate (lb/hr)
P = process weight rate (tons/hr). Process weight rate means a rate established as follows:

a. For continuous or long-run steady-state process operations, the total process rate for the entire period of continuous operation or for a typical portion of it, divided by the number of hours of such period or portion of it.

b. For a cyclical or batch process operations, the total weight for a period that covers a complete operation or an integral number of cycles, divided by the hours of actual process operation during such a period.

(9 VAC 5-40-260 and 9 VAC 5-80-110)

7. Particulate emissions from the tumble shot blast operations (Unit # 33C) shall not exceed the limit calculated using Equation 1 in Condition IV.A.6.
(9 VAC 5-40-260 and 9 VAC 5-80-110)

8. Particulate emissions from the degate, grind, and deburr operations (Unit # 33D) shall not exceed the limit calculated using Equation 1 in Condition IV.A.6.
(9 VAC 5-40-260 and 9 VAC 5-80-110)

9. Particulate emissions from the rotary shot blast operations (Unit # 24) shall not exceed the limit calculated using Equation 1 in Condition IV.A.6.
(9 VAC 5-40-260 and 9 VAC 5-80-110)

10. The permittee shall vent emissions from the metal casting (Unit # 31) and mold shakeout operations (Unit # 32) to the inside of the facility.
(9 VAC 5-80-110)

B. Monitoring and Recordkeeping

1. The permittee shall conduct visible emission inspections on each baghouse stack (Stack # V33 and V24) in accordance with the following procedures and frequencies:

a. At a minimum of once per week, the permittee shall determine the presence of visible emissions. If during the inspection, visible emissions are observed, a visible emission evaluation (VEE) shall be conducted in accordance with 40 CFR 60, Appendix A, EPA Method 9, unless timely corrective action is taken such that the stack resumes operation with no visible emissions. The VEE shall be conducted for a minimum of six (6) minutes. If any of the observations exceed

twenty percent (20%), the VEE shall be conducted for a total of sixty (60) minutes.

b. All visible emissions inspections shall be performed when the equipment is operating.

c. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

All observations, VEE results, and corrective actions taken shall be recorded.
(9 VAC 5-80-110)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Valley Region. These records shall include, but are not limited to:

a. The process weight rate (in tons/hr) for: the sand processing operations (Unit # 33A); the tumble shot blast operations (Unit # 33C); the degate, grind, and deburr operations (Unit # 33D); and, the rotary shot blast operations (Unit # 24). The average process weight rate for each process shall be calculated once each month based on the previous month's hours of production time and amount of material processed.

b. Particulate emission limits (in lbs/hr) associated with each process weight rate. Emission limits shall be calculated for each process once each month based on the previous month's average process weight rate.

c. Inspection records as required in Condition IV.B.1.

d. Verification that the metal casting (Unit # 31) and the mold shakeout operations (Unit # 32) remain vented inside of the facility.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

C. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM-10	EPA Methods 5, 17
Visible Emissions	EPA Method 9

(9 VAC 5-80-110)

IV. Brass Foundry Requirements – Units # 44A, 44B, 42, 19, 20, and 79

A. Limitations

1. Particulate emissions from the two furnaces (Unit #44A), the shot blast operations (Unit # 42), and the degate, grind, and deburr operations (Unit # 44B) shall be controlled by fabric filters. Each fabric filter shall be installed in an accessible location and maintained by the permittee such that it is in proper working order. (9 VAC 5-80-110)

2. Particulate emissions from the polishing, buffing, and coloring operations (Unit #79) shall be controlled by cyclones. Each cyclone shall be installed in an accessible location and maintained by the permittee such that it is in proper working order. (9 VAC 5-80-110)

3. Visible emissions from each brass foundry stack (Stack # V44, V42, V61, V62, V63, and V79) shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed sixty percent (60%).
(9 VAC 5-40-80 and 9 VAC 5-80-110)

4. Particulate emissions from the two furnaces (Unit # 44A) shall not exceed 4.04 lbs/hr. This condition applies during the meltdown time but shall not apply during the time of preheat or preparing for shutdown. The exemption for preheating and shutdown shall be limited to two 20-minute periods in a given eight-hour period for each furnace unit.
(9 VAC 5-40-2410 and 9 VAC 5-80-110)

5. Particulate emissions from metal casting (Unit # 19) shall not exceed 4.04 lbs/hr.
(9 VAC 5-40-2410 and 9 VAC 5-80-110)

6. Particulate emissions from mold shakeout operations (Unit # 20) shall not exceed 4.04 lbs/hr.
(9 VAC 5-40-2410 and 9 VAC 5-80-110)

7. Particulate emissions from shot blast operations (Unit # 42) shall not exceed the limit calculated using the following formula:

$$E = 4.10 \times P^{0.67}$$

..... Equation 2

Where:

E = emission rate (lb/hr)
P = process weight rate (tons/hr). Process weight rate means a rate established as follows:

a. For continuous or long-run steady-state process operations, the total process rate for the entire period of continuous operation or for a typical portion of it, divided by the number of hours of such period or portion of it.

b. For a cyclical or batch process operations, the total weight for a period that covers a complete operation or an integral number of cycles, divided by the hours of actual process operation during such a period.

(9 VAC 5-40-260 and 9 VAC 5-80-110)

8. Particulate emissions from the degate, grind, and deburr operations (Unit # 44B) shall not exceed the limit calculated using Equation 2 in Condition V.A.7.
(9 VAC 5-40-260 and 9 VAC 5-80-110)

9. Particulate emissions from the polishing, buffing, and coloring operations (Unit # 79) shall not exceed the limit calculated using Equation 2 in Condition V.A.7.
(9 VAC 5-40-260 and 9 VAC 5-80-110)

10. The permittee shall vent emissions from the metal casting (Unit # 19) and mold shakeout operations (Unit # 20) to the inside of the facility.
(9 VAC 5-80-110)

B. Monitoring and Recordkeeping

1. An annual inspection shall be conducted on all cyclones by the permittee to insure structural integrity. The permittee shall record:

a. The date of each inspection;

b. The results of each inspection; and

c. The maintenance performed, if required.

(9 VAC 5-80-110)

2. The permittee shall conduct visible emission inspections on each brass foundry stack (Stack # V44, V42, V61, V62, V63, and V79) in accordance with the following procedures and frequencies:

a. At a minimum of once per week, the permittee shall determine the presence of visible emissions. If during the inspection, visible emissions are observed, a visible emission evaluation (VEE) shall be conducted in accordance with 40 CFR 60, Appendix A, EPA Method 9, unless timely corrective action is taken such that the Stack resumes operation with no visible emissions. The VEE shall be conducted for a minimum of six (6) minutes. If any of the observations exceed twenty percent (20%), the VEE shall be conducted for a total of sixty (60) minutes.

b. All visible emissions inspections shall be performed when the equipment is operating.

c. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

All observations, VEE results, and corrective actions taken shall be recorded.
(9 VAC 5-80-110)

3. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Valley Region. These records shall include, but are not limited to:

a. The process weight rate (in tons/hr) for: the shot blast operations (Unit # 42); the degate, grind, and deburr operations (Unit # 44B); and, the polishing, buffing, and coloring operations (Unit # 79). The average process weight rate for each process shall be calculated once each month based on the previous month's hours of production time and amount of material processed.

b. Particulate emission limits (in lbs/hr) associated with each process weight rate. Emission limits shall be calculated for each process once each month based on the previous month's average process weight rate.

c. The log of annual inspections for the cyclone as required in Condition V.B.1.

d. Inspection records as required in Condition V.B.2.

e. Verification that the metal casting (Unit # 19) and the mold shakeout operations (Unit # 20) remain vented inside of the facility.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

C. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM-10	EPA Methods 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

V. Degreasing Requirements – Unit # 78

With the exception of Condition V.A.10., the following terms and conditions are from 40 CFR Part 63 Subpart T. A current copy of 40 CFR Part 63 Subpart T has been attached. As used in this section, all terms shall have the meaning as defined in 40 CFR 63.2 and 60 CFR 63.461.

A. Limitations

1. Air disturbances across the vapor degreaser shall be controlled by incorporating a reduced room draft. The permittee shall achieve a reduced room draft by:

   a. Ensuring that the flow or movement of air across the top of the freeboard area of the vapor degreaser or within the vapor degreaser enclosure does not exceed 15.2 meters per minute (50 feet per minute) at any time, as measured using the procedures in Conditions VI.B.3. and VI.B.4.

   b. Establishing and maintaining the operating conditions under which the wind speed was demonstrated to be 15.2 meters per minute (50 feet per minute) or less, as described in Conditions VI.B.3. and VI.B.4.

   (40 CFR 63.463 (a)(1)(ii), 40 CFR 63.463 (e)(2)(ii)(A), 40 CFR 63.463 (e)(2)(ii)(B), 40 CFR 63.463 (b)(2)(i), and 9 VAC 5-80-110)

2. The vapor degreaser shall have a freeboard ratio of 1.0.
   (40 CFR 63.463 (a)(2), 40 CFR 63.643 (b)(2)(i), and 9 VAC 5-80-110)

3. The vapor degreaser shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.
   (40 CFR 63.463 (a)(3) and 9 VAC 5-80-110)

4. The vapor degreaser shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils.
   (40 CFR 63.463 (a)(4) and 9 VAC 5-80-110)

5. The vapor degreaser shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor degreaser rises above the height of the primary condenser.
   (40 CFR 63.463 (a)(5) and 9 VAC 5-80-110)

6. The vapor degreaser shall have a primary condenser.
   (40 CFR 63.463 (a)(6) and 9 VAC 5-80-110)

7. The vapor degreaser shall be equipped with a freeboard refrigeration device. The permittee shall ensure that the chilled air blanket temperature (in °F), measured at the center of the air blanket, is no greater than thirty percent (30%) of the solvent's boiling point.
(40 CFR 63.463 (b)(2)(i), 40 CFR 63.463 (e)(2)(i), and 9 VAC 5-80-110)

8. The permittee shall meet all of the following work and operational practices:

   a. Control air disturbances across the vapor degreaser openings by incorporating a reduced room draft as described in Condition VI.A.1.

   b. Any spraying operations shall be done within the vapor zone or within a section of the vapor degreaser that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the vapor degreaser).

   c. Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from the vapor degreaser unless an equally effective approach has been approved by the DEQ.

   d. Parts baskets or parts shall not be removed from the vapor degreaser until dripping has stopped.

   e. During startup of the vapor degreaser, the primary condenser shall be turned on before the sump heater.

   f. During shutdown of the vapor degreaser, the sump heater shall be turned off and the solvent layer allowed to collapse before the primary condenser is turned off.

   g. When solvent is added or drained from the vapor degreaser, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.

   h. The vapor degreaser and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated, to the U.S. Environmental Protection Agency's (EPA's) satisfaction, to achieve the same or better results as those recommended by the manufacturer.

   i. Each operator of the vapor degreaser shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in 40 CFR 63, Subpart T, Appendix A if requested during an inspection by DEQ or EPA.

   j. Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief but would not allow liquid solvent to drain from the container.

k. Sponges, fabric, wood, and paper products shall not be cleaned.

(40 CFR 63.463 (d) and 9 VAC 5-80-110)

9. An exceedance has occurred if:

a. The operating conditions established under Condition VI.A.1.b. are not met.

b. The chilled air blanket temperature required in Condition VI.A.7. has not been met and was not corrected within fifteen (15) calendar days of detection. Adjustments or repairs shall be made to the vapor degreaser or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits.

c. The wind speed required in Condition VI.A.1.a. has not been met and was not corrected within fifteen (15) calendar days of detection. Adjustments or repairs shall be made to the vapor degreaser or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits.

(40 CFR 63.463 (e)(3) and 9 VAC 5-80-110)

10. Visible emissions from the vapor degreaser shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed sixty percent (60%) opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Monitoring

1. Once each week, the permittee shall use a thermometer or thermocouple to measure and record the temperature at the center of the air blanket during the idling mode.
(40 CFR 63.463 (e)(1), 40 CFR 63.466 (a)(1), and 9 VAC 5-80-110)

2. The permittee shall monitor the hoist speed as described below:

a. The permittee shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute).

b. The monitoring shall be conducted monthly. If after a year of monthly monitoring no exceedances of the hoist speed are measured, the permittee may begin monitoring the hoist speed quarterly.

c. If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated.

(40 CFR 63.463 (e)(1), 40 CFR 63.466 (c), and 9 VAC 5-80-110)

3. If the reduced room draft is maintained by controlling room parameters (i.e., redirecting fans, closing doors and windows, etc.), the permittee shall conduct quarterly monitoring of the wind speed and weekly monitoring of the room parameters as specified below:

   a. Measure on a quarterly basis the wind speed within six (6) inches above the top of the freeboard area of the vapor degreaser as specified below:

      (1) Determine the direction of the wind current by slowly rotating a velometer or similar device until the maximum speed is located.

      (2) Orient a velometer in the direction of the wind current at each of the four corners of the degreaser.

      (3) Record the reading for each corner.

      (4) Average the values obtained at each corner and record the average wind speed.

   b. Monitor on a weekly basis the room parameters established during the initial compliance test that are used to achieve the reduced room draft.

   (40 CFR 63.463 (e)(1), 40 CFR 63.466 (d)(1), and 9 VAC 5-80-110)

4. If an enclosure (full or partial) is used to achieve a reduced room draft, the permittee shall conduct monthly monitoring tests of the wind speed within the enclosure, as specified below:

   a. Determine the direction of the wind current in the enclosure by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located.

   b. Record the maximum wind speed.

   Each month, the permittee shall perform a visual inspection of the enclosure to determine if it is free of cracks, holes, and other defects.
   (40 CFR 63.463 (e)(1), 40 CFR 63.466 (d)(2), and 9 VAC 5-80-110)

C. Recordkeeping

1. For the vapor degreaser, the permittee shall maintain records of:

a. Owner's manuals, or if not available, written maintenance and operating procedures for the vapor degreaser and control equipment.

b. The date of installation for the vapor degreaser and all of its control devices. If the exact date for installation is not known, a letter certifying that the vapor degreaser and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted.

c. Records of the halogenated HAP solvent content for each solvent used in the vapor degreasers.

These records shall be available for inspection by the DEQ and shall be maintained for the lifetime of the vapor degreaser.
(40 CFR 63.467 (a) and 9 VAC 5-80-110)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Valley Region. These records shall include, but are not limited to:

a. The results of control device monitoring required in Conditions VI.B.1, VI.B.2, VI.B.3, and VI.B.4.

b. Information on the actions taken to comply with Condition VI.A.9. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to acceptable levels.

c. Estimates of annual solvent consumption for the vapor degreaser, calculated monthly as the sum of each consecutive twelve (12) month period.

d. The potential to emit, and supporting calculations, for the vapor degreaser as calculated in Condition VI.D.1.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(40 CFR 63.467 (b) and 9 VAC 5-80-110)

D. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
Visible Emissions	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall submit an annual report to the Director, Valley Region, by **March 1** of the year following the one for which the report is being made. This report shall include:

   a. A signed statement from the facility owner or his designee stating that AAll operators of vapor degreasers have received training on the proper operation of the vapor degreasers and their control devices sufficient to pass the test required in 40 CFR 63.463(d)(10) [Condition VI.A.8.i.].≅

   b. An estimate of solvent consumption for the vapor degreaser during the reporting period.

   One (1) copy of the annual report shall be sent to EPA at the following address:

   U.S. Environmental Protection Agency, Region III
   ATTN: Halogenated Solvent Cleaning NESHAP Coordinator (3AP12)
   1650 Arch Street
   Philadelphia, PA 19103-2029.

   (40 CFR 63.468 (f) and 9 VAC 5-80-110)

2. The permittee shall submit an exceedance report to the Director, Valley Region, semiannually. Exceedance reports shall be delivered or postmarked by the 30th calendar day following the end of each calendar half. The exceedance report shall include:

   a. Information on actions taken to comply with Condition VI.A.9. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

   b. If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.

   c. If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

Once an exceedance has occurred, the permittee shall follow a quarterly reporting format until a request to reduce reporting frequency under Condition VI.E.3. is approved. A copy of each exceedance report shall be sent to EPA at the address listed in Condition VI.E.1.
(40 CFR 63.463 (e)(4), 40 CFR 63.468 (h), and 9 VAC 5-80-110)

3. If the permittee is required to submit exceedance reports on a quarterly basis, the frequency of reporting may be reduced to semiannual if the following requirements are met:

   a. The permittee has demonstrated a full year of compliance without an exceedance.

   b. The permittee continues to comply with all recordkeeping and monitoring requirements.

   The frequency of submission may be reduced if a written request is received and approved by the DEQ. A copy of the request shall be sent to EPA at the address listed in Condition VI.E.1.
   (40 CFR 63.468 (i) and 9 VAC 5-80-110)

VI. Surface Coating Requirements – Units # 64, 54, 55, 72, and 73

A. Limitations

1. Particulate emissions from the verdi paint spray booth (Unit #54), the brass clear lacquer spray booth (Unit # 55), and the wood lacquer spray booths (Units 72 and 73) shall be controlled by paint arrestor filters.
(9 VAC 5-80-110)

2. Volatile organic compound (VOC) emissions from the black paint spray booth (Unit # 64) are limited to an average of 3.5 pounds per gallon of coating, excluding water, delivered to a coating applicator, and shall be calculated monthly.
(9 VAC 5-80-110 and Condition 4 of 1/11/05 Permit)

3. Annual VOC emissions are limited to seven (7) tons and shall be calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-110 and Condition 7 of 1/11/05 Permit)

4. Particulate emissions from the black paint spray booth (Unit # 64) shall be controlled by a spray gun with a minimum 40% solids transfer efficiency and an 85% efficient paint arrestor filter system.
(9 VAC 5-80-110 and Condition 3 of 1/11/05 Permit)

5. Emissions from the operation of the black paint spray booth (Unit # 64) shall not exceed the limits specified below:

Particulate Matter	6.6 lbs/hr	2.2 tons/yr
PM-10	6.6 lbs/hr	2.2 tons/yr
Volatile Organic Compounds		7.0 tons/yr

Annual emissions shall be calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-110 and Condition 8 of 1/11/05 Permit)

6. Visible emissions from the black paint spray booth (Unit # 64) shall not exceed five percent (5%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 9 of 1/11/05 Permit)

7. Volatile organic compounds shall not be intentionally spilled, discarded to sewers, stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-90 and Condition 5 of 1/11/05 Permit)

8. Visible emissions from the verdi paint spray booth (Unit #54), the brass clear lacquer spray booth (Unit # 55), and the wood lacquer spray booths (Units # 72 and 73) shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emission shall not exceed sixty percent (60%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Monitoring and Recordkeeping

1. The permittee shall perform inspections of the spray booths (Units 64, 54, 55, 72, and 73) each day of spray booth operation. The inspections shall include a check of correct filter placement and filter condition.
(9 VAC 5-80-110 and Condition 6 of 1/11/05 Permit)

2. The permittee shall determine compliance with the VOC limits in Conditions VI.A.2. and VI.A.3. as follows:

   a. To determine the average VOC content of coatings:

$$AC = \frac{\sum_{i=1}^{n} C_i G_i}{\sum_{i=1}^{n} G_i}$$

..... Equation 5

Where:

AC = average VOC content of coatings (lb/gal)

C_i = VOC content of each coating (i) applied during each month (lb/gal)

G_i = number of gallons of each coating (i) applied during each month (gal)

Average VOC content shall be calculated once each calendar month.

   b. To determine annual emissions of VOC from coating usage:

$$E = \sum_{i=1}^{n} C_i G_i$$

..... Equation 6

Where:

E = VOC emission rate (lb/time period)

C_i = VOC content of each coating (i) applied during the time period (lb/gal)

G_i = number of gallons of each coating (i) applied during each month (gal)

Annual emissions shall be calculated as the sum of each consecutive twelve (12) month period.

(9 VAC 5-80-110)

3. The permittee shall determine compliance with the particulate limit in Condition VI.A.5. as follows:

$$E = \left(\sum_{i=1}^{n} P_i G_i D_i \right) \left(\frac{100 - T}{100} \right) \left(\frac{100 - CE}{100} \right)$$

..... Equation 7

Where:

E = particulate emission rate (lb/time period)

P_i = solids content of each coating (i) applied during the time period (lb solids/lb paint)

G_i = number of gallons of each coating (i) applied during the time period (gal)

D_i = density of each coating (i) applied during the time period (lb/gal)

T = transfer efficiency of the spray booth (%)
= 40 [unless records demonstrate a higher value is appropriate]

CE = control efficiency of the paint arrestor filter system (%)
= 85 [unless records demonstrate a higher value is appropriate]

Annual emissions shall be calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-110)

4. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Valley Region. These records shall include, but are not limited to:

   a. Monthly and annual throughput of coatings (in gallons) to each spray booth. Annual throughput shall be calculated monthly as the sum of each consecutive twelve (12) month period.

   b. Inspection records as required by Condition VI.B.1.

   c. Certified MSDS sheets showing VOC content and solids content (by weight) for each coating used in the black paint spray booth (Unit # 64).

   d. Monthly calculations showing the average VOC content of coating used in the black paint spray booth (Unit # 64).

   e. Annual VOC emissions from the black paint spray booth (Unit # 64). Annual emissions shall be calculated monthly as the sum of each consecutive twelve (12) month period.

   f. Annual particulate emissions from the black paint spray booth (Unit # 64). Annual emissions shall be calculated monthly as the sum of each consecutive twelve (12) month period.

   g. Solids transfer efficiency of the spray gun(s) used in the black paint spray booth (Unit # 64).

   h. Control efficiency of the paint arrestor filter system on the black paint spray booth (Unit # 64).

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-50-50, 9 VAC 5-80-110, and Condition 11 of 1/11/05 Permit)

C. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC Content	EPA Methods 24, 24a
PM/PM-10	EPA Methods 5, 17
Visible Emissions	EPA Method 9

(9 VAC 5-80-110)

VII. Hazardous Air Pollutant Conditions

Unless the permittee obtains federally enforceable limits on its facility-wide emissions of hazardous air pollutants (HAPs) to below major-source thresholds prior to the specified date, the following federal requirements, derived from 40 CFR Part 63, will apply. For each standard, "requirements" include all control, operational, work practice, monitoring, recordkeeping, reporting, and testing requirements, as applicable.

A. Limitations

1. Except where this permit is more restrictive, any spray booths that contains one or more HAPs as an ingredient to the coating material composition shall comply with 40 CFR Part 63 Subpart MMMM (Miscellaneous Metal Parts and Products Coating NESHAP) no later than January 2, 2007.

   (9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart MMMM)

2. Except where this permit is more restrictive, the iron and steel foundry shall comply with 40 CFR Part 63 Subpart EEEEE (Iron and Steel Foundries NESHAP) no later than April 23, 2007 for each emissions limitation, work practice standard, and operation and maintenance requirement that applies. Existing affected sources must comply with the work practice standards in 40 CFR 63.7700(b) or (c), as applicable, no later than April 22, 2005.

   (9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart EEEEE)

B. Recordkeeping

1. Except where this permit is more restrictive, the permittee shall record and retain all information necessary to determine compliance with 40 CFR Part 63 Subpart MMMM.

   (9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart MMMM)

2. Except where this permit is more restrictive, the permittee shall record and retain all information necessary to determine compliance with 40 CFR Part 63 Subpart EEEEE.

   (9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart EEEEE)

C. Reporting

1. All notifications required by 40 CFR 63.7 (b) through (e), 63.9 (a) through (d), (e) and (h) as applicable and 40 CFR Part 63 Subpart MMMM shall be provided by the dates specified, unless the permittee obtains federally enforceable limits on its facility-wide emissions of HAPs to below major-source thresholds prior to the

notification dates specified. Notifications shall be submitted to the Director, Valley Region. A copy of each notification shall be provided to EPA Region III, to the attention of the Miscellaneous Metal Parts and Products Coating NESHAP Coordinator, at the following address:

EPA Region III
Air Enforcement Branch
3AP12
1650 Arch Street
Philadelphia PA 19103

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart MMMM)

2. All notifications required by 40 CFR 63.9, 63.10 (a) through (b), (c)(1) through (6), (c)(9) through (15), (d)(1) through (3), (e)(1) through (2), and (f) and 40 CFR Part 63 Subpart EEEEE shall be provided by the dates specified, unless the permittee obtains federally enforceable limits on its facility-wide emissions of HAPs to below major-source thresholds prior to the notification dates specified. Notifications shall be submitted to the Director, Valley Region. A copy of each notification shall be provided to EPA Region III, to the attention of the Iron and Steel Foundries NESHAP Coordinator, at the following address:

EPA Region III
Air Enforcement Branch
3AP12
1650 Arch Street
Philadelphia PA 19103

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart EEEEE)

VIII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
76	Scotch Marine natural gas-fired boiler	9 VAC 5-80-720 C	-	7.0 mmBTU/hr
77	Kewanee 40 HP natural gas-fired boiler	9 VAC 5-80-720 C	-	1.35 mmBTU/hr
7	Natural gas-fired boiler	9 VAC 5-80-720 C	-	0.387 mmBTU/hr
-	Natural gas-fired boiler (showroom)	9 VAC 5-80-720 C	-	0.112 mmBTU/hr
65/66	Natural gas-fired radiant heater for paint curing	9 VAC 5-80-720 C	-	0.15 mmBTU/hr
-	Natural gas-fired heater (large core machine)	9 VAC 5-80-720 C	-	0.175 mmBTU/hr
-	2 Natural gas-fired heaters (small core machines)	9 VAC 5-80-720 C	-	0.121 mmBTU/hr (each)
-	Natural gas-fired bull furnace tourch	9 VAC 5-80-720 C	-	0.5 mmBTU/hr
11, 67	Welding and soldering equipment	9 VAC 5-80-720 B	PM-10	-
59	Antiquing Room	9 VAC 5-80-720 B	Sulfuric Acid Hydrochloric Acid Nitric Acid	-
-	Brass foundry mold and core making	9 VAC 5-80-720 B	PM-10 VOC	-
-	Iron foundry mold and core making	9 VAC 5-80-720 B	PM-10 VOC	-

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
5	Heat treating oil quench tank	9 VAC 5-80-720 B	VOC	-
-	Machine shop operations	9 VAC 5-80-720 B	PM-10	-
-	Sheet metal shop operations	9 VAC 5-80-720 B	PM-10	-

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

IX. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 63 Subpart DDDDD	Industrial, Commercial and Institutional Boilers and Process Heaters MACT	All boilers are less than 10 mmBTU/hr and burn only natural gas (insignificant units)
40 CFR 63 Subpart RRR	Secondary Aluminum Plants	Subpart RRR does not apply because facility does not have a thermal chip dryer and only uses clean charge (ingot) and internal scrap

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

X. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant to section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Valley Region, within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition XI.C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Valley Region by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Valley Region.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described

in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1. (9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)